

POPOV., P.,
I. SHETTLE, ZnPKh 11, 491-4 (1938)

STAVISKAYA, Ye.; POPOV, P.

Information. Mias.ind.SSSR 35 no.1:57-59 '64. (MIRA 17:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Staviskaya). 2. Komitet po ekonomike i organizatsii proizvodstva Nauchno-tekhnocheskogo obshchestva pishchevoy promyshlennosti (for Popov).

COUNTRY : Bulgaria F-5
CATEGORY :
ABST. JOUR. : RZBiol., No. 19, 1958, No. 87694
AUTHOR : Popov, P.
INST. :
TITLE : The June-Bug (Melolontha melolontha L.)
ORIG. PUB. : Gvoshcharstvo i gradinarstvo, 1957, No 11,
17-19
ABSTRACT : No abstract.

CARD:

1. POPOV, P.; BOCHAROVA, L.; GRESHNOVA, A.
 2. USSR (600)
 4. Frit Flies
 7. Frit fly control in grain stands, P. Popov, L. Bocharova, A. Greshnova, Sel. i. sem. 20 no. 5, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

COUNTRY : Bulgaria
 CATEGORY : GENERAL & SPEC. ZOOLOGY, INSECTS
 SUBJECT : Insect and Life Parts

ABS. JOUR.: Ref Zhur - Biologiya, No. 4, 1959, No. 1

Author : Popov, Detar

INST. :

TITLE : The effect of the physical factors of the environment on the development of the head-collared moth.

ORIG. PUB.: Byul. vuzish. biologia, 1957, 6, No. 3, 76-79

ABSTRACT : The head-collared moth (*Agrotis agrotis*) is a polyphagous pest in silkworm rearing. The development of the moth depends on the physical factors of the environment. The effect of the physical factors of the environment on the development of the head-collared moth is studied. The results of the experiments show that the development of the head-collared moth is accelerated by the increase of the temperature and the decrease of the humidity. The results of the experiments show that the development of the head-collared moth is accelerated by the increase of the temperature and the decrease of the humidity. The results of the experiments show that the development of the head-collared moth is accelerated by the increase of the temperature and the decrease of the humidity.

CARD : 1/2

METEL'SKIY, Vasiliiy Vladimirovich; TETENKOVA, Mariya Prolovna;
POPOV, P., red.

[Potato] Kartoffel'. Kemerovo, Kemerovskoe knizhnoe izd-
vo, 1965. 59 p. (MIRA 18:10)

POKOV, P. A.. Jt. au.

Belyavskiy, Aleksey Grigor'yevich. Electrotechnical measurements. Rostov n-D.,
Azovo-Chernomorskoe kraevoe izd-vo, 1935. (Mic 53-154)

Collation of the original as determined from the film: 312 p.

Microfilm TK-4

VINTER, A.V.; NEKRASOV, A.M.; SYROMYATNIKOV, I.A.; VOZNESENSKIY, A.N.;
VASILENKO, P.I.; LAUPMAN, P.P.; Terman, I.A.; VINOGRADOV, N.P.;
ANTOSHIN, N.N.; ALEKSANDROV, B.K.; USPENSKIY, B.S.; KLASSON, I.R.;
KHEYFITS, M.E.; DRUTSKIY, V.F.; KRACHKOVSKIY, N.N.; POPOV, P.A.;
CHELIDZE, I.M.; FILARETOV, S.N.; KOZLOV, M.D.; BERLIN, V.Ya.;
SARADZHEV, A.Kh.; GORDZIYEVICH, I.S.; PAK, V.P.; DORFMAN, S.M.;
DUBINSKIY, L.A.; UL'YANOV, S.A.; GRUDINSKIY, P.G.; KUVSHINSKIY, N.N.;
ERMOLENKO, V.M.

Mikhail Mikhailovich Karpov. Elek.sta. 27 no.10:62 O '56. (MLRA 9:12)
(Karpov, Mikhail Mikhailovich, d.1956)

POPOV, P.A.

One transitron-oscillator diagram. Nauch.dokl.vys.shkoly; radiotekh. i elektron. no.2:171-174 ' 58. (MIRA 12:1)

1. Kafedra teorii elektricheskoy svyazi Moskovskogo elektrotekhnicheskogo instituta svyazi.

(Oscillators, Electron-tube)

SOV/58-59-7-15962

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 7, p 190 (USSR)

AUTHORS: Pershakov, B.N., Popov, P.A.

TITLE: Device for Measuring α of Junction Transistors 75

PERIODICAL: V sb.: Poluprovodnik. pribory i ikh primeneniye. Nr 3. Moscow, "Sov. radio", 1958, pp 104 - 109

ABSTRACT: The author discusses a method of measuring the current gain coefficient α of a junction transistor on DC. He describes a device for measuring the reverse current of the collector and the current gain coefficient of the transistor at low frequencies.

The authors' résumé



Card 1/1

9.4310

AUTHOR: Popov, P.A.

67379
SOV/106-59-9-6/13

TITLE: The Junction (Plane) Triode as a Current Distributor

PERIODICAL: Elektrosvyaz, 1959, Nr 9, pp 44-50 (USSR)

ABSTRACT: Although the matrix method, in conjunction with four-terminal network theory, is a general and flexible means of analysis of junction triode circuits, it has the disadvantage for newcomers to the subject that it is not very illustrative of the processes occurring in the circuit. The object of this article is to develop a basic equivalent circuit for a low-frequency semiconductor triode circuit and to obtain practical, illustrative design formulae. The author defines the term "current distributor" as a circuit junction (knot) such that the current flowing to the junction from one or more paths divides amongst the remaining paths in strictly determined ratios, independent of the impedance of the remaining paths. The proposed equivalent diagram of a junction triode connected as a common-base circuit is given in Fig 1. The resistances r_e , r_o and r_k represent, respectively, the emitter, base and collector resistances. The current distributor is

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The Junction (Plane) Triode as a Current Distributor

represented by the small ring. Whilst Kirchhoff's first (current) law can be applied to the distributor, the second (voltage) law cannot be applied to all the circuit. The circuit to which Kirchhoff's second law is inapplicable is denoted by a break in the circuit, but this does not imply a break in the current path. To analyse the properties of the equivalent circuit, the circuit is characterised by the h-parameters (Eq 1) where h_{11} represents the input impedance with the output terminals short-circuited, h_{12} represents the effect of the output voltage on the triode input circuit $\left(\frac{U_1}{U_2}\right)_{I_1=0}$, h_{21} characterises the distribution

of the emitter current between the collector and the base circuits $\left(\frac{I_2}{I_1}\right)_{U_2=0} = -\alpha$, and, finally, h_{22}

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2/3

represents the output admittance of the triode with the input circuit on open-circuit. These values are determined in terms of r_o , r_k , r , and α .

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SOV/106-59-9-6/13

The Junction (Plane) Triode as a Current Distributor

The operation of the circuit with a low-load impedance is first analysed and simple relationships (Eqs 5' to 17) for the current distribution ratios and the input impedance are obtained, but these results are strictly true only when the load impedance is zero. The theory is then generalised for any load impedance. Finally, the parameters of the equivalent circuit are determined in terms of the h-parameters, (Eqs 39-42). To show the application of the results, the voltage gain of the triode stages in the circuit of Fig 6 is calculated. The example shows that the calculation work involved is much less than in the matrix method, the formulae are relatively simple and reflect the physical processes occurring in the triode.

Card
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There are 6 figures.

SUBMITTED: December 8, 1958

POPOV, P.A.; SEMENOV, L.V.

"Gases as a powerful source of energy and of chemical raw materials"
by P.A. Borisov, A.L. Rabkina. Reviewed by V.M. Popov, L.V. Semenov.
Gaz. prom. 4 no.12:51-52 D '59. (MIRA 13:3)
(Gas, Natural) (Gases)
(Borisov, P.A.)

ZHURAVLEV, Anatoliy Andreyevich; MAZEL', Klimentiy Borisovich; POPOV,
P.A., red.; BORUNOV, N.I., tekhn.red.

[Direct current converters using transistors] Preobrazovateli
postoiannogo napriazhenia na tranzistorakh. Moskva, Gos.energ.
izd-vo, 1960. 77 p. (Massovaya radiobiblioteka, no.357)
(MIRA 13:2)

(Electric current converters)

(Transistors)

LUGVIN, Vladimir Gavrilovich; POPOV, P.A., red.; LARIONOV, G.Ye.,
tekhn.red.

[Amateur transistor radio designs] Radioliubitel'skie
konstruktsii tranzistornykh priemnikov. Moskva, Gos.energ.
Izd-vo, 1960. 79 p. (Massovaya radiobiblioteka, no.373).
(MIRA 13:11)

(Transistor radios)

POPOV, Petr Aleksandrovich; BERG, A.I., red.; BURDEYNYY, F.I., red.;
BURLYAND, V.A., red.; VANEYEV, V.I., red.; GENISHTA, Ye.N.,
red.; DZHIGIT, I.S., red.; KAMAYEVA, A.H., red.; KREMKEL',
E.T., red.; KULIKOVSKIY, A.A., red.; SMIRNOV, A.D., red.;
TARASOV, F.I., red.; SHAMSHUR, V.I., red.; KULIKOVSKIY, A.A.,
red.; LARIONOV, G.Ye., tekhn. red.

[Design of audio frequency transistor amplifiers] Raschet
tranzistornykh usilitelei zvukovoi chastoty. Moskva, Gos.
energ. izd-vo, 1960. 103 p. (Massovaya radiobiblioteka, no.378)
(MIRA 14:5)

(Transistor amplifiers)

POPOV, P.A.

Reusable metal booth for electric switchboards. Suggested by
P.A. Popov. Rats.i izobr.predl.v stroi. no.16:102-103 '60.

(MIRA 13:9)

1. Trest No.17 Glavmosstroya, Moskva, Sovetskaya ploshchad', d.2/6.
(Electric switchgear)

69272

S/109/60/005/05/010/021
E140/E035

AUTHOR: Popov, P.A.

TITLE: On the Reverse Collector Current in a Junction Transistor

PERIODICAL: Radiotekhnika i elektronika, 1960, Vol 5, Nr 5,
pp 806-810 (USSR)

ABSTRACT: It is claimed that the reverse collector current with open-circuit base I_{COe} rather than I_{CO} , the reverse collector current with open-circuit emitter is more convenient to use in the design of transistor-amplifier circuits. This is because it is I_{COe} which actually flows in the circuit with cut-off base. The theoretical formula given for calculating I_{COe} from known I_{CO} and α or β usually gives values greater than actually measured. This is because I_{CO} as measured usually includes leakage currents. Formulae are given for calculating operating point and temperature-stabilization circuits based on I_{COe} . Measurements on 140 transistors indicate that in 81% the calculated value of I_{COe} was greater than measured while for only 12.4% were the measured and calculated values within 5% of each other

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69922

S/109/60/005/05/010/021
E140/E435

On the Reverse Collector Current in a Junction Transistor

There are 6 figures.

SUBMITTED: May 6, 1959

Card 2/2

MARTYNOV, Yevgeniy Mikhaylovich; POPOV, P.A., red.; LARIONOV, G.Ye.,
tekhn. red.

[Noncontact switching devices] Beskontaktnye perekliu-
chayushchie ustroistva. Izd.2., perer. i dop. Moskva, Gos.
energ. izd-vo, 1961. 175 p. (Massovaya radiobiblioteka, no.397)
(MIRA 15:3)

(Electric switchgear) (Switching theory)

GLIBERMAN, Anatoliy Yakovlevich; ZAYTSEVA, Ayta Konstantinovna; POPOV, P.A.
red.; BORUNOV, N.I., tekhn. red.

[Silicon solar batteries] Kremnievye solnechnye batarei. Moskva,
Gos. energ. izd-vo, 1961. 70 p. (Massovaia radiobiblioteka, no.396).
(MIRA 14:7)

(Solar batteries)

VINGRIS, Laymonis Teodorovich; SKRIN, Yuriy Aleksandrovich; POPOV, P.A.,
red.; SHIROKOVA, M.M., tekhn. red.

[Designs of polyphonic electronic musical instruments for construction by amateur] Liubitel'skie konstruktsii mnogogolosnykh elektro-muzykal'nykh instrumentov. Moskva, Gos. energ. izd-vo, 1961. 71 p.
(Massovaia radiobiblioteka, no.407) (MIRA 14:10)
(Musical instruments, Electronic)

VEDENEV, Georgiy Mikhaylovich; VERSHIN, Viktor Yevgen'yevich; POPOV, P.A.,
red.; VORONIN, K.P., tekhn. red.

[Silicon stabilizers] Kremnevye stabilitrony. Moskva, Gos.energ.
izd-vo, 1961. 95 p. (Massovaya radiobiblioteka, no.416) (MIRA 14:12)
(Transistors) (Diodes) (Transistor circuits)

ZHURAVLEV, Anatoliy Andreyevich; MAZEL', Klimentiy Borisovich;
POPOV, P.A., red.

[Transistorized d.c. voltage converters] Preobrazovateli
postoiannogo napriazheniia na tranzistorakh. Izd.2., perer.
Moskva, Energiia, 1964. 93 p. (Massovaia radiobiblioteka,
no.547) (MIRA 18:2)

POPOV, P.A., inzh.

Mechanical calculation of wires using the equation of state with
variation of parameters. Elek. sta. 36 no.10:69-71 0 '65.

(MIRA 18:10)

POPOV, P.A., inzh.

Approximate mechanical calculation of a wire in a span. Elek. sta.
35 no.11:54-59 N '64. (MIRA 12:1)

GAVRILENKO, N.M.; POPOV, P.A.

Vertical distribution of temperature and humidity in the zone of
warm fronts over the Ukraine. Trudy UkrNIIGMI no.43:120-125 '64.
(MIRA 18:4)

POPOV, Petr Aleksandrovich; KULIKOVSKY, A.A., red.

[Design of transistorized audio amplifiers] Raschet
tranzistornykh usilitelei zvukovoi chastoty. Izd.2.,
perer. i dop. Moskva, Energiia, 1964. 94 p. (Masso-
vaia radiobiblioteka, no.550) (MIRA 17:11)

LOZHNIKOV, Anatoliy Petrovich; KHARCHENKO, Anatoliy Mikhaylovich;
POPOV, P.A., red.; LARIONOV, G.Ye., tekhn. red.

[Pulse devices using trochotrons] Impul'snye ustroistva na
trokhotronakh. Moskva, Gosenergoizdat, 1963. 94 p. (Mas-
sovaia radiobiblioteka, no.495) (MIRA 17:3)

KYUNTSEL', A.A.; VDOVICHENKO, Ye.Ya., POPOV, P.A.

R.B.Shneerova; obituary. Vop.kur., fizioter.i lech.fiz.kul't. 27
no.2:190 Mr-Apr '62. (MIRA 15:11)

(SHNEEROVA, RAISA BORISOVNA, 1888-1961)

POPOV, P.A.

Fossil fungi of the West-Siberian Plain and the Yenisey Ridge.
Bot.zhur. 47 no.11:1596-1610 N '62. (MIRA 16:1)

1. Kazachinskaya ekspeditsiya Krasnoyarskogo geologicheskogo
upravleniya, s. B.Murta.
(West Siberian Plain—Fungi, Fossil)
(Yenisey Ridge—Fungi, Fossil)

POPOV, P.

Technical progress in the enterprises of the poultry processing
industry of the R.S.F.S.R. Mias.ind.SSSR 32 no.6:20-22 '61.
(MIRA 15:2)

1. Vserossiyskoy Sovet Narodnogo Khozyaystva.
(Poultry plants--Equipment and supplies)

Popov, P.

TECHNOLOGY, Popov, P. Dinas refractory bricks made from Bulgarian raw materials. p. 27. Vol. 7, no. 12, Dec., 1958

RUMENOV, I.; POPOV, P.

On hematological reactions of the organism during surgical interventions.
Khirurgiia, Sofia 13 no.2-3:142-144 '60.

1. Iz khirurgichnogo otdeleniia i klinichnata laboratorii pri II gr.
obedinena bolnitsa - Sofia.
(SURGERY OPERATIVE blood)

POPOV, P., inzh.; GOMSHINSKIY, S., inzh.

Precast reinforced concrete tank. Stroitel' no.10:26 0 '58.
(MIRA 11:11)

(Tanks) (Precast concrete construction)

POPOV, P., mekhanik.

Attachment for cutting round and square steel on friction-type presses. Na stroi. Mosk. 2 no.9:26 S '59. (MIRA 13:2)

1. Uchastok mekhanizatsii No.24 tresta Mosstroy mekhanizatsiy No.7.
(Metalworking machinery--Attachments)

POPOV, P.

SURNAME, Given Names

Country: Bulgaria

Academic Degrees: not given

Affiliations: not given

Sources: Sofia, Priroda, Vol X, No 4, July/August 1961, pp 24-30

Data: "Some Aspects of the Complex Study of Productive Forces."

Authors:

~~ZAKHARIEV, Iv.~~

POPOV, P.

870 981643

POPOV, P.

Nationwide short-wave competition in 1964. Radio i televizija
13 no.9:259-260 '64.

1. Secretary, Central Radio Club, Sofia.

KHRISTOV, Kh., inzh.; KOVACHEV, D., inzh.; PAPARCHEV, N., inzh; POPOV, P.
inzh.

A new system for treating and burning the high-ash coal of the
Bobov Dol and Pernik Basins. Elektroenergiia 15 no.5:20-23
My '64

USSR / General Problems of Pathology. Tumors. Human
Neoplasm.

U-4

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 94038

Author : Popov, P. A.

Inst : Not given

Title : Rare Combination of Cancer of the Cervix with Ectopic
Pregnancy.

Orig Pub : Akusherstvo i ginekologiya, 1956,³²No. 6, 80

Abstract : A rare case of a combination of cancer of the cervix of the
uterus and ectopic pregnancy was observed in a 39-year-old
patient. Radical abdominal hysterectomy with bilateral oo-
phorectomy and pelvic lymph node dissection was performed.
On histological examination the vaginal part of the uterus
revealed squamous cell, non-cornifying cancer. The patient
was discharged after 40 days in excellent condition.

Card 1/1

Gynecological Clinic, Kuban Medical Inst.

AKATOV, V.A., dotsent, kandidat veterinarnykh nauk; POPOV, P.A., assistant.

Therapy of trichomoniasis in breeding bulls. Veterinariia 30 no.1:
27-30 Ja '53. (MLBA 6:1)

1. Kirgisskiy sel'skokhozyystvennyy institut imeni akademika
Skryabina.

Popov, P. As

BULGARIA/General and Specialized Zoology. Insects. In-
Jurious Insects and Ticks. General Problems P

Abs Jour : Ref Zhur Biol., No 11, 1957, No 49524

Author : Popov P.As.

Inst :

Title : Little Known and New Species of Soil Insects -
Pests of Cultivated Plants in Bulgaria

Orig Pub : Byul. rastit. sashchita, 1957, 6, No 1, 75-73

Abstract : No abstract

Card : 1/1

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APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001342

BULGARIA/General and Specialized Zoology. Insects. Harmful
Insects. Chemical Means in the Control of
Harmful Insects and Acarids. P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25435

Author : Popov, P.As.

Inst : -

Title : Results of an Experiment in the Control of the May
Beetle with BHC Aviation Spraying and the Forecast of
Its Appearance.

Orig Pub : Byul. rastit. sashchita, 1957, 6, No 4, 52-56

Abstract : In 1957, the initial-for-Bulgaria spraying, with 12% BHC
(27 kg/ha), of vegetable cultivations and 60 hectares of
an oak forest took place in the control of the May beetle.
Complete destruction of the beetles was obtained; there
were found in the soil neither eggs nor larvae of the 1st
generation. If spraying is repeated in 1958, a mass ap-
pearance of the pest's larvae will not occur until 1964.

Card 1/1

POPOV, P.A.

Entomological work in Bulgaria. Ent. obozr. 36 no. 1: 258-262 '57.
(MLRA 10:4)

1. Institut zashchity rasteniy, Sofiya.
(Bulgaria--Insects, Injurious and beneficial--Research)

POPOV, P. A.

USSR/Geology

Card 1/1 Pub. 22 - 35/50

Authors : Bogolepov, K. V., and Popov, P. A.

Title : The age of bauxites of the Yenisei ridge

Periodical : Dok. AN SSSR 100/1, 135-138, Jan. 1, 1955

Abstract : Geological data are presented regarding the age of bauxite (aluminum ore deposits) discovered along the Yenisei River ridge in Siberia. Eight references. (1936-1953). Table.

Institution:

Presented by: Academician V. N. Sukachev, October 5, 1954

POPOV, P.A.

Trapa L. pollen discovered in the Tertiary deposits of the
Yenisey Ridge. Dokl. AN SSSR 110 no.3:453-456 8 '56. (MLRA 9:12)

1. Krasnoyarskoye geologicheskoye upravleniye. Predstavleno
akademikom V.N. Sukachevym.
(Yenisei Ridge--Pollen, Fossil)

AUTHORS: Popov, P. A. , Kondrat'yev, G. K.

20-118-4-54/61

TITLE: On the Problem of Identifying Fossil and Recent Pollen of the Water-Caltrop (Trapa L.)
(K voprosu ob identifikatsii iskopayemoy i sovremennoy pyl'tsy vodyanogo orekha)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 118, Nr 4, pp.819-822 (USSR)

ABSTRACT: The first author (reference 11) determined the pollen from the Oligocene deposits of the Bel'skaya suite (references 2, 3), which was also reported by many investigators from the tertiary time in the vast region between the Atlantic and the Pacific Oceans, as water-caltrop (Trapa L. in the more general sense). After a bibliography on recent and fossil Trapa pollen the authors give a description of this pollen and figures (5 species, figure 1). They state themselves that hardly any morphological differences between the species can be seen in this figure (reference 16 states the same fact). In the arrangement according to their size the

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20 -118-4-54/61

On the Problem of Identifying Fossil and Recent Pollen of the Water-Caltrop
(Trapa L.)

smallest pollen grains are those of T. hyrcana, T. caspica and T. astrachanica, whilst those of T. Komarovii and T. tuberculifera are the biggest (table 1). The first group gravitates towards Europe, the last one towards the Far East and Japan. Though only few grains were measured and though the size of the grains is not at all a decisive parameter, some conclusions can be drawn. The comparison of the tertiary pollen from sediments of the West Siberian plain and of the Turgayskaya depression shows that it can be identified with the European and Asia Minor species. The fossil Trapa pollens from the tertiary of the Far East, Sakhalin and other regions of the Pacific Ocean are different, and their analogies must be found among the Trapa species occurring there. Thus in the first approximation the fossil Trapa pollen from the tertiary of Europe and of the Asian part of the USSR can be separated in two groups: a European (Atlantic) group and an East Asian (Pacific) group. The climatic differences of these regions which led to such a differentiation already existed in the Palaeogene period. There are 1 figure, 1 table, and 26 references, 16 of which are

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20-118-4-54/61

On the Problem of Identifying Fossil and Recent Pollen of the Water-Caltrop
(Trapa L.)

Soviet .

ASSOCIATION: **Kazachinskaya Geological Prospecting Expedition of the Geological**
Administration, Krasnoyarsk
(Kazachinskaya geologo-poiskovaya ekspeditsiya Krasnoyars-
kogo geologicheskogo upravleniya)

PRESENTED: July 22, 1957, by V. N. Sukachev, Member of the AS USSR

SUBMITTED: July 10, 1957

AVAILABLE: Library of Congress

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3 (5), 17 (4)

SOV/20-128-4-53/65

AUTHOR:

Popov, P. A.

TITLE:

Fossil Fungi in the Tertiary Deposits of the Yenisey chain

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 4, pp 827-829
(USSR)

ABSTRACT:

In spite of the low number of publications on fossil fungi these remains are not so rare as is generally assumed (Ref 5). It is rather the difficult identification and species determination and therefore their little value as leading fossils which are to blame for the low number of publications on this topic. The development of palinology opens new and better prospects for the investigation of fossil fungi (V. P. Grichuk, Ref 4). However, not much has hitherto been done in this field either (A. A. Larishchev, Ref 6; A. A. Chiguryayeva, Ref 11). The two last mentioned research workers believe that the fungus flora to be taken into account in the palinological analysis may be also used for the purposes of stratigraphy and paleogeography. Several papers (Refs 3, 7, 14, 17-22) deal on the whole with Tertiary fungi. The above fungi are also connected with the Paleogenic deposits. The present paper discusses the fungus flora of the Bel'skaya

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Fossil Fungi in the Tertiary Deposits of the
Yenisey Chain

SOV/20-128-4-53/65

suite (Ref 2) of Middle Upper Oligocene. The main mass of this material is concentrated in the earthy brown coal (in agreement with Refs 18, 22). A considerable quantity of *Trapa* natans (Ref 8) pollen was also found here. The main species are given in figure 1. The incomplete material renders the accurate stratigraphic - and species determination of these fungi impossible. The following principles, may, however, be established already now: (1) Fossil fungus remains may be obtained in a way suitable for a scientific treatment by means of the analytical methods of palinology. (2) By this way the mentioned remains were found in all continents except Africa, South-America, and the Antarctica. (3) In Tertiary they are mainly bound to soft coal. (4) Among them there are widely distributed species and others bound to these or those regions. (5) The Bel'skaya suite contains several species which had already been found in western and eastern Europe, Caucasus, and South-Ural. There are 1 figure and 22 references, 12 of which are Soviet.

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Fossil Fungi in the Tertiary Deposits of the
Yenisey Chain

SOV/20-128-4-53/65

ASSOCIATION: Kazachinskaya geologo-poiskovaya ekspeditsiya Krasnoyarskogo
geologicheskogo upravleniya (Kazachinskaya Geological
Research Expedition of the Krasnoyarsk Geological
Administration)

PRESENTED: June 1, 1959, by V. N. Sukachev, Academician

SUBMITTED: May 29, 1959

Card 3/3

POPOV, P.A.; KUPCHINSKAYA, M.M.

History and stratigraphic importance of ferns of the genus *Anemia*
in the Yenisey Valley portion of the West Siberian Plain. Geol.
i geofiz. no.11:95-98 '60. (MIRA 14:2)

1. Kazachinskaya geologicheskaya ekspeditsiya.
(Yenisey Valley--Ferns, Fossil)

POPOV, P.A.; PROKHOROVA, K.V.

Morphology of spores in some recent species of the genus
Osmunda L. Dokl. AN SSSR 137 no.4:957-960 Ap '60. (MIRA 14:3)

1. Kazachinskaya geologoposkovaya ekspeditsiya Krasnoyarskogo
geologicheskogo upravleniya. Predstavleno akademikom V. N.
Sukachevym.

(Ferns)

(Spores(Botany))

POPOV, P.A.

Possibilities and tasks in the field paleomycology at a new
stage. Trudy VIER no.23:213-216 '64. (MIRA 19:2)

LOZHNIKOV, Anatoliy Petrovich; SONIN, Yevgeniy Konstantinovich;
POPOV, P.A., red.

[Cascade anode amplifiers] Kaskodnye usiliteli. Izd.2., dop.
Moskva, Energiia, 1964. 126 p. (MIRA 18:12)

GOLOVIN, P.N.; POPOV, P.A.

New Tertiary Microthyriaceae of the West Siberian Lowland. Bot.
mat. Otd. spor. rast. 16:88-91 '63. (MIRA 16:10)

AL'BATS, Mark Yefremovich; POPOV, P.A., red.; BUL'DYAYEV, N.A.,
tekhn. red.

[Handbook for designing filters and delay lines] Spravochnik
po raschetu fil'trov i linii zaderzhki. Moskva, Gos-
energoizdat, 1963. 200 p. (MIRA 16:12)
(Radio filters) (Delay lines)

LUGVIN, Vladimir Gavrilovich; POPOV, P.A., red.

[Elements of present-day low-frequency electronics]
Elementy sovremennoi nizkochastotnoi elektroniki.
Moskva, Energiia, 1964. 86 p. (Massovaia radio-
biblioteka, no.559) (MIRA 18:1)

L 16891-65 EWT(1)/FCC GW
ACCESSION NR: AT5000705

S/2599/64/000/043/0120/0125

AUTHOR: Gavrilenko, N. M.; Popov, P. A.

TITLE: Vertical distribution of air temperature and humidity in the zone of warm fronts over the Ukraine B+1

SOURCE: Kiev. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskii institut. Trudy*, no. 43, 1964. Voprosy* sinopticheskoy i dinamicheskoy meteorologii (Problems in synoptic and dynamic meteorology), 120-125

TOPIC TAGS: atmospheric front, air humidity, air temperature, atmospheric warm front, cloud formation

ABSTRACT: The purpose of this study was to determine the characteristics of the vertical distribution of air temperature and humidity in the zone of warm fronts over in Ukraine. Since, in the warm season of the year, these fronts are poorly developed during passage over the Ukraine, the study has been limited to an investigation of warm fronts moving in different directions in the cold season. Winter and spring data are compared. Taking into account that physical geography of the distribution of meteorological elements in the warm front zone to a considerable degree, especially with height, the study was limited to two stations: 1/2 Kiev and Khar'kov, situated at the same latitude, in the same physico-

L 16891-65

ACCESSION NR: AT5000705

geographic zone, but 400 km apart. Cases of the passage of a warm front over the mentioned stations or within 50 km from them were selected from weather charts. A total of 336 such cases for the period January-May 1957-1961 were selected. The authors present considerable data on the characteristics of warm fronts in the Ukraine during the mentioned months. In the zone of a warm front moving in the lower kilometer layer there is either an inversion or a slow temperature drop with height when the moisture content of the air is high. In the warm air mass above a warm front the temperature decreases uniformly with height, regardless of direction of movement of the front. Variation of relative humidity with height is not identical under different synoptic conditions, and is in all probability evidence of a different thickness of the frontal clouds. Orig. art. has: 1 figure and 3 tables.

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskii institut, Kiev (Ukrainian Hydrometeorological Scientific Research Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: ES

NO REF SOV: 009

OTHER: 000

Card 2/2

POPOV, P. As.

Occurrence of some insects over the snow cover in the winter
of 1962/63 in Bulgaria. Priroda Bulg 13 no.6:95-96 Nov '64.

POPOV, P. As.

Popillia japonica Newm, and possibilities of its culture in
Bulgaria. Priroda Bulg 12 no.2:95-99 Mr-Apr '63.

SECRET

Some biological characteristics of the species known in
Bulgaria. Izv. Inst. Zool. Razn. 1962. 102

TROFIMOV, S.S., kand. sel'khoz.nauk, st. nauchn. sotr.; BRYLEV, V.K.; KOCHERGIN, A.Ye., kand. sel'khoz. nauk; KUZNETSOVA, L.Z.; KORLYAKOV, I.I., kand. sel'khoz. nauk, st. nauchn. sotr.; KOSTROMITIN, V.B.; MIKHAYLOV, M.I.; POPOV, P.D., red.

[Soils of the Kuznetsk Basin, a map as the face of a field, laboratory of fertility, vitamins of the earth, protectors of crops, enrichment of feed] Pochvy Kuzbassa, karta - litso polei, laboratoriya plodorodiia, vitaminy zemli, zashchitniki posevov, obogashchenie korma. Kemerovo, Kemerovskoe knizhnoe izd-vo, 1964. 92 p. (MIRA 18:5)

1. Biologicheskii institut Sibirskogo otdeleniya AN SSSR (for Trofimov). 2. Zaveduyushchii laboratoriyey zashchity rasteniy Kemerovskoy sel'skokhozyaystvennoy opytной stantsii (for Kostromitin). 3. Zaveduyushchii otdelom zhivotnovodstva Kemerovskoy sel'skokhozyaystvennoy opytной stantsii (for Mikhaylov). 4. Zaveduyushchii agrokhimicheskoy laboratoriyey Sibirskogo nauchno-issledovatel'skogo instituta sel'skogo khozyaystva (for Kochergin). 5. Zaveduyushchaya agrokhimicheskoy laboratoriyey Kemerovskoy sel'skokhozyaystvennoy opytной stantsii (for Kuznetsova). 6. Kemerovskaya sel'skokhozyaystvennaya opytная stantsiya (for Korlyakov).

POPOV, Petur, st. n. sutr.

Signalization and forecasting, basic measures for plant protection.
Selskostop nauka 3 no. 2:39-44 '64.

BURKOV, T., dots.; SIRAKOV, V.; PEEVA, D.; TUZLUKOVA, L.; VELICHKOVA, P.;
POPOV, Pl.

Certain problems associated with the etiology of amphotosis.
Stomatologia no.1:14-18 '54. (REAL 3:7)
(PERIODONTIUM, diseases,
*etiol. & pathogen.)

POPOV, Plamen

Considerations on certain aspects of dental caries. Stomatologiya
no.2:90-96 '54 (ZEAL 3:7)

1. Ml. nauchen sotrudnik pri RNISI. Direktor: dots. T.Burkov.
(DENTAL CARIES, etiology and pathogenesis,)

*

BALIBALOV, I.A.; SOKOLOVA, N.N.; VARNIAKOVA, N.L.; POPOV, P.D.;
KRYKOV, A., red.; RUDINA, G., tekhn. red.

[The strides of the seven-year plan; work results of Kuznetsk
Basin workers during the first year of the seven-year plan
and tasks for 1960] Shagi semiletki; itogi raboty truzhenikov
Kuzbassa v pervom godu semiletki i zadachi na 1960 god. Keme-
rovo, Kemerovskoe knizhnoe izd-vo, 1960. 150 p.

(MIRA 15:11)

(Kuznetsk Basin--Economic conditions)

Esterification of cellulose and cellulose hydrate. IV
 I. Shettle and P. Popov. *J. Applied Chem. U.S.S.R.*
 12, 99-101 in French, 1913 (1939); cf. *C. A.* 32, 56219.
 Linter and cellulose hydrates obtained from the linter al-
 kali cellulose and from linter viscose were esterified by the
 previously described method in the presence of pyridine or
 pyrimidine in C_6H_6 soln., yielding esters with low degree of
 esterification (11.3-12.9 and 7.0-5.8% of AcO content,
 resp.). An increased amt. of Ac_2O did not affect the yield.
 C_6H_6 , apparently, retards the acetylation reaction.
 A. A. Podgorny.

RESEARCH LITERATURE CLASSIFICATION

CIA-RDP86-00513R0013423

POPOV, P. E.

"Synthesis and Insecticidal Properties of Some Esters of Phosphonic Acids," Jan 1950,
by P. E. Popov, N. N. Mal'nikov, and Ya. A. Mandel'baum

B-70815, summary in dossier

POPOV, Petur, kand. na geografskite nauki

National Scientific Conference of Bulgarian Geographers. Spisanie
BAN no.4:110-114 '59. (EEAI 9:11)
(Bulgaria--Geography)

POPOV, Pavel Fedorovich; SHAPIROVA, A.S., red.; PECHERSKAYA, T.I.,
tekhn.red.

[Natural conditions and resources of Irkutsk Province] Pri-
rodnye usloviia i bogatstva Irkutskoi oblasti. Irkutsk,
Irkutskoe knizhnoe izd-vo, 1960. 37 p.

(MIRA 14:2)

(Irkutsk Province--Physical geography)

PCPOV, Pavel Fedorovich

[Natural conditions and resources of Irkutsk Province;
a popular science sketch] Prirodnye usloviia i bogatstva
Irkutskoi oblasti; nauchno-populiarnyi ocherk. Irkutsk,
Irkutskoe knizhnoe izd-vo, 1948. 36 p. (MIRA 16:12)
(Irkutsk Province--Natural resources)

POPOV, Pavel Fedorovich; LYSENKO, A.S., red.; KARAS', V.D., V.D.,
tekhn. red.

[Natural conditions and resources of Irkutsk Province]
Prirodnye usloviia i bogatstva Irkutskoi oblasti. Izd.3.,
ispr. i dop. Irkutsk, Irkutskoe knizhnoe izd-vo, 1963. 37 p.
(MIRA 16:9)
(Irkutsk Province--Economic geography)

POPOV, Petr Aleksandrovich; LABUTIN, V.K., red.; YEMZHIN, V.V.,
tekh. red.

[Transistor characteristics] Kharakteristiki tranzistora.
Moskva, Gosenergoizdat, 1963. 23 p. (Massovaya radiobiblio-
teka, no.451) (MIRA 17:3)

PANIN, Valerian Valerianovich, inzh.; POPOV, Petr Ivanovich, kand. tekhn.
nauk, dotsent; TEREENT'YEV, Vladimir Georgiyevich

Study of the reliability of commutators using contactless elements.
Izv. vys. ucheb. zav.; elektromekh. 7 no.2:228-238 '64.
(MIRA 17:4)

1. Kafedra avtomatiki i telemekhaniki Moskovskogo inzhenerno-
fizicheskogo instituta.

KLEMENCHUK, Aleksey Petrovich; POFOV, Petr Konstantinovich; FUKS,
V.K., red.; FEDOROVSKIY, A.Ye., inzh.-ekonomist, spets.red.

[Food industry of the R.S.F.S.R.] Pishchevaia promyshlennost' RSFSR. Moskva, Pishchevaia promyshlennost', 1964.
155 p. (MIRA 17:12)

POPOV, Petur

Some program problems for a complex study of productive
forces in the northeastern economic region of Bulgaria.
Spisani BAN 8 no. 3: 28-42 '63.

POPOV, Petur As.

Possibility of developing *Ceratitidis capitata* Wied in Bulgaria,
and necessity of refrigerating citrus fruits. Priroda Bulg
12 no. 5: 91-95 S-0 '63.

ACCESSION NR: AP4025741

S/0144/64/000/002/0228/0238

AUTHOR: Panin, Valerian Valerianovich (Engineer); Popov, Petr Ivanovich
(Candidate of technical sciences, Docent); Terent'yev, Vladimir Georgiyevich
(Assistant)

TITLE: Investigation of reliability of contactless-element switching circuits

SOURCE: IVUZ. Elektromekhanika, no. 2, 1964, 228-238

TOPIC TAGS: switch, cyclic switch, sequence switch, contactless switch,
contactless switch reliability

ABSTRACT: The successive cyclic switching of channels in telemeter or remote-control systems is theoretically considered. An optimum structure of the (ring or binary) switch scheme is determined on the basis of the number of channels N and failure rates of the scheme components. Formulas for the number of transistors, diodes, and the faultless-operation probability are developed for the

Card 1/2

KOZHOV, M.M., prof., doktor biolog.nauk; MISHARIN, K.I., dotsent, kand. biolog.nauk. Prinimali uchastiye: TOMILOV, A.A., kand.biolog.nauk; POPOV, P.F., kand.biolog.nauk; YEGOROV, A.G., kand.biolog.nauk; TUGARINA, P.Ya., kand.biolog.nauk; TYUMENTSEV, N.V., nauchnyy sotrudnik; ASKHAYEV, M.G., nauchnyy sotrudnik; NIKOLAYEVA, Ye.P., nauchnyy sotrudnik; KARTUSHIN, A.I., nauchnyy sotrudnik; SPERLYAGOVA, M.A., nauchnyy sotrudnik; KORYAKOV, Ye.A.; SPELIT, K.K., inzh.; ARTYUNIN, I.M., inzh.; OKUNEV, P.M.; SHNIPER, R.I., rabotnik. SHAFIROVA, A.S., red.; SOROKINA, T.I., tekhn.red.

[Fishes and commercial fishing in Lake Baikal] Ryby i rybnoe khoziaistvo v basseine ozera Baikal. Irkutskoe knizhnoe izd-vo, 1958. 745 p. (MIRA 12:4)

1. Sotrudniki Irkutskogo gosuniversiteta (for Misharin, Tomilov, Popov, Yegorov, Tugarina). 2. Sotrudnik Baykal'skoy limnologicheskoy stantsii Akademii nauk SSSR (for Koryakov). 3. Baykalrybtrest (for Spelit, Artyunin). 4. Gosplan Buryat-Mongol'skoy ASSR (for Shniper). (Baikal, Lake--Fisheries)

POPOV, P. G.

21384 POPOV, P. G. O nekotorykh sluchayakh dvizheniya koaksialnykh tsilindricheskikh sloev zhidkosti. Trudy Krasnodarsk. IN-TA Pishch. Prom-Sti, Ypp, 5, 1949, S. 13-20.

SO: Ietopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

POPOV, P.G., (Khar'kov)

Preventing spoilage of starch solutions. Khim.v shkole 11 no.2:
58-59 Mr-Apr '56. (MIRA 9:7)
(Starch)

Tuesday, August 01, 2000

CIA-RDP86-00513R001342

Popov, P.G.
AUTHOR: Popov, P.G.
TITLE: Short Reports (7) (Korotkiye soobshcheniya)
PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 11, pp. 1395-1395 (USSR)
ABSTRACT: The author contends that, on the strength of his long experience in carrying out analyses of silicates, he found that the platinum crucible usually used in certain cases can be replaced by nickel crucibles. This has the advantage that in nickel crucibles it is possible to smelt with lye solutions, which permits a more rapid decomposition of the components of the substances than there is the by the application of soda or KNaCO_3 . In this case there is the possibility to carry out smelting already at temperatures of 400-500° so that correspondingly less time is taken than otherwise when smelting is carried out in soda, temperatures of up to 850-900° and, correspondingly, a time of 2 - 3 hours is needed. Experiments specially carried out showed that nickel is only in a low degree soluble in hydrochloric acid. (Crucibles of 29.5 g weight lose 5 mg in 1 hour).
quantities of nickel can hardly impede experiments, and possible to remove the nickel content by pre-

L 63103-65 EWT(1) IJP(c)

ACCESSION NR: AP5019212

UR/0056/65/049/001/0027/0030

AUTHOR: Dubovoy, L. V.; Popov, P. G.

TITLE: Stabilization of a powerful Penning discharge by a radially increasing magnetic field 21

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 1, 1965, 27-30

TOPIC TAGS: plasma stabilization, Penning discharge, flute instability, two stream instability, electron temperature

ABSTRACT: The authors investigated the effect of a radially increasing magnetic field produced by a stabilizing system of six rods, each neighboring pair of which carries current in opposite directions, on the development of instability in a powerful cold-cathode Penning discharge. The magnetic field produced by the current-carrying rod system was described by M. S. Ioffe and R. I. Sobolev (Atomnaya energiya v. 17, 366, 1964). The discharge apparatus is illustrated in Fig. 1 of the Enclosure. The plasma parameters were determined by means of movable Langmuir probes and from transmission of a microwave signal of 8 mm wavelength. The unstabilized plasma was almost completely ionized, and the electrons in the discharge had a density $(1-6) \times 10^{15} \text{ cm}^{-3}$ and a temperature fluctuating between 50 and 75 eV. The measured spectrum of the oscillations consisted of quasi-harmonic

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L 63103-65

ACCESSION NR: AP5019212

low-frequency pulsations at $10^4 - 10^5$ cps and random noise in the $10^6 - 3 \times 10^7$ cps range. The movable-probe measurements showed that the low-frequency oscillations can be identified with the previously observed flute instability and with oscillations of the pinch as a whole about the equilibrium position. Turning on the stabilization system reduces the level of the oscillations due to the discharge instability by at least two orders of magnitude. This is accompanied by a sharp reduction of the electron temperature in the discharge if the plasma density is kept constant. An unexpected result of the experiment is the strong stabilizing action of the radially-increasing magnetic field on the high-frequency region of the oscillations in the discharge, associated with the two-stream instability excited by the fast-electron current which maintains the discharge. The nature of this effect is not clear. It is concluded that the high value of the electron temperature in Penning discharges is associated with the turbulent nature of the processes in the discharge. "The authors thank V. A. Yermakov for assistance in the measurements." Orig. art. has: 3 figures. [02]

ASSOCIATION: none

SUBMITTED: 19 Jan 65

ENCL: 01

SUB CODE: ME

NO REF SOV: 002

OTHER: 004

ATD PRESS: 4074

Card 2/3

L 63103-65

ACCESSION NR: AP5019212

ENCLOSURE: 01

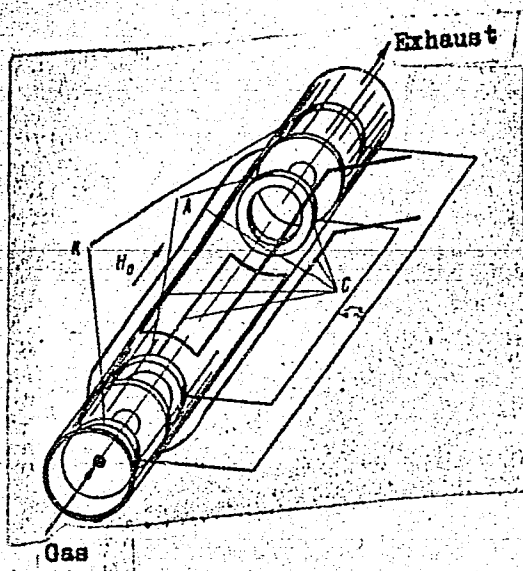


Fig. 1. Diagram of set-up

K - Cathodes;
A - anodes;
O - current-carrying stabilizing rods.

Card 3/3

POPOV P G.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
p 109 (USSR) 15-57-7-9493

AUTHOR: Popov, P. G.

TITLE: Fusion of Silicates (O splavlenii silikatov)

PERIODICAL: Nauch. tr. Khar'kovsk. in-t inzh. kommun. str-va,
1956, Nr 6, pp 98-101

ABSTRACT: It was shown experimentally that fusing of silicates for the standard analysis without the use of a platinum vessel may be accomplished with nickel crucibles. When high temperatures are impossible to obtain, it is recommended that fusing be accomplished with a mixture of molecular quantities of Na_2CO_3 and Li_2CO_3 ($t_{\text{fus.}} = 550^\circ$).

Card 1/1

POPOV, P.G.; ZAKHARENKO, N.I.

Blooming mill in the Kuznetsk Metallurgical Combine. Metallurg 7
no.4:24-25 Ap '62. (MIRA 15:3)
(Novokuznetsk--Rolling mills)

PLEKHANOV, P.S., inzh.; KOSHKIN, V.A., inzh.; KRITININ, I.A., inzh.;
Prinimali uchastiye: BAZHENOV, M.M.; VAYNSHTEYN, I.L.; POPOV, P.G.;
ZAKHARENKO, N.I.; MANCHEVSKIY, I.V.; GRDINA, Yu.V.; GOVORKOV, A.P.;
NESTEROV, N.A.; GRIGORKIN, V.I.

Rolling of high-manganese rails. Stal' 21 no.5:423-425 My '61.
(MIRA 14:5)

1. Kuznetskiy metallurgicheskiy kombinat (for Plekhanov, Koshkin,
Kritenin, Bazhenov, Vaynshteyn, Popov, Zakharenko, Manchevskiy).
2. Sibirskiy metallurgicheskiy institut (for Grdina, Govorkov,
Nesterov, Grigorkin).

(Railroads—Rails)

(Rolling (Metalwork))

POPOV, P. G.

USSR/Chemical Technology - Chemical Products and Their Application. Silicates.
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62249

Author: Popov. P. G., Shiryayeva, A. A.

Institution: None

Title: Chemical Composition of Khar'kov Tripoli and Their Possible Use
in Local Building

Original

Periodical: Nauchn. tr. Khar'kovsk. in-ta, inzh. kommun. str-va, 1956, No 6,
93-97

Abstract: Investigation of Khar'kov tripoli-like deposits in the areas of
Pavlovsk, Gosprom and Zhuravlevka. All 3 specimens of tripoli
contain considerable amount of active silica. Rate of fixation of
active silica in all samples exceeds within the first 10 days 50%
of total active silica, fixed with 1.5 months. Investigated
tripoli meet in active silica content as well as in rate of its
fixation the specifications of hydraulic additives and can be put
to practical use.

Card 1/1

ANDRIANOV, D.P., doktor ekon. nauk, prof.; GENDEL'MAN, M.Z.,
kand. tekhn. nauk, dots.; GLICHEV, A.V., kand. ekon.
nauk, dots.; DIDENKO, S.I., kand. ekon. nauk, dots.;
ZHURAVLEV, A.N., kand. tekhn.nauk, prof.; ZAKHAROV,
K.D., kand. tekhn.nauk,, dots.; MOISEYEV, S.V., kand.
tekhn. nauk, dots.; OL'SHEVETS, L.M., kand. tekhn.
nauk, dots.; ORLOV, N.A., prof.; POPOV, P.G., ispolnya-
yushchiy obyazannosti dots.; SARKISYAN, S.A., kand. ekon.
nauk, dots.; STARIK, D.E., kand. tekhn.nauk, ispolnyayu-
shchiy obyazannosti dots.; TER-MARKARYAN, A.N., kand.
tekhn. nauk, prof.; TIKHOMIROV, V.I., kand. tekhn.nauk,
prof.; CHESNOKOV, V.V., kand. ekon. nauk, dots.;
SHERMAN, Ye.I., kand. ekon. nauk, dots.; EL'BERT, L.M.,
kand. ekon. nauk, dots.; LAPSHIN, A.A., dots., retsenzent;
NOVATSKIY, V.F., kand. ekon. nauk, red.; TUBEYANSKAYA, F.G.,
red. izd-vn; KARPOV, I.I., tekhn. red.

[Organization, planning and economics of airplane produc-
tion] Organizatsiya, planirovanie i ekonomika aviatsionnogo
proizvodstva. [By] D.P.Andrianov i dr. Moskva, Oborongiz,
1963. 694 p. (MIRA 16:10)
(Airplane industry--Management)

CA

2

Displacement of cadmium from its solutions by aluminum. A. P. G. Poray, *Izv. Akad. Nauk. Zhur.*, 4, Ser. Khim., 281 (1920). Al displaces Cd from solns of CdSO_4 or CdCl_2 , also in the absence of Cu or Cr nitrate, contrary to the observations of Goldschmidt (1903), also in the absence of Cu or Cr nitrate. The soln requires, however, prolonged heating and the Al should preferably be in the form of a powder or dust. The reaction also proceeds with Al powder in the presence of NaOH or KOH . B. C. A.

ASAC METALLURGICAL LITERATURE CLASSIFICATION

4. 1. 1991. 1991. 1991.

0 1 4 4 8 7 2 0 6 2 0 0 4 6 1

CIA-RDP86-00513R0013423

Bc

A-1

Detection of nitrate ions - P. G. Porov (Ukrain.
Chem. J., 1934, 8, 810-811).—1 c.c. of solution and
1 c.c. of saturated aq. $\alpha\text{-C}_6\text{H}_7\text{NH}_2$ are stratified on
conc. H_2SO_4 , when a violet-red ring indicates ± 0.025
mg. of KNO_3 . Other oxidizing agents do not inter-
fere.

R. T.

A.S.T.A. METALLURGICAL LITERATURE CLASSIFICATION

100 AND 1000 COVERS

PROCESSING AND PROPERTY INDEX

7

100

Determination of chromium by the method of liquid amalgams. P. G. Popov and M. A. Nekhamkina. *Chrom. Khim. Zhur.* 10, 187-92 (1935). Cr in $K_2Cr_2O_7$ was detd. with Zn amalgam in H_2SO_4 as well as HCl solns. by titration with $KMnO_4$ with an error of ± 0.02 to 0.10%. In case of $K_2Cr_2O_7$ in H_2SO_4 soln. the error was ± 0.005 to $\pm 0.02\%$. The most suitable concn. of H_2SO_4 is 6 N. I. G. Tolpin

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

100 AND 1000 COVERS

100 AND 1000 COVERS

117 AND 2ND CODES

PROCESSES AND PROPERTIES INDEX

180 AND 4TH INDEX

7

9

Determination of Chromium by the Liquid Amalgam Method. P. G. Popov and M. A. Neehamkina (*Ukrainski Khimichnyi Zhurnal (J. Chim. Ukraine)*, 1935, 10, 187-192; *Brit. Chem. Abs.*, 1936, [A], 1216).—(In Ukrainian.) The solution containing Cr^{III} or Cr_2O_3 is reduced by Zn Hg in 6N H_2SO_4 , and Cr^{III} is titrated with KMnO_4 . S. G.

ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION

RECORD SYMBOLS

RECORD SYMBOLS

RECORD SYMBOLS

RECORD SYMBOLS

1ST AND 2ND ORDERS		PROCESSES AND PROPERTIES INDEX	
BC			R-1
(A) Determination of chlorates, bromates, and iodates by the use of liquid amalgams. (B) Application of Wood's alloy as a reducing reagent. P. G. Porov (Ukrain. Chem. J., 1985, 10, 413-416, 428-433).—(A) ClO_3^- is determined by adding 10 ml. of 50% H_2SO_4 to 10 ml. of the solution, and shaking for 10 min. with Zn-Hg, after which Cl^- is determined by Volhard's method. BrO_3^- and IO_3^- are determined similarly, except that 7N H_2SO_4 is used, and the titration is performed after 3 min. (a) Wood's alloy may be substituted for Zn-Hg in the above procedure (at 90°). R. T.			
A.S.B.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION			
SUBJECT INDEX		SUBJECT INDEX	
SUBJECT INDEX		SUBJECT INDEX	

BC

PRECEDENCE AND PROPERTIES INDEX

1. PREPARATION OF THE COMPLEX SALT, Ca_2HgI_4 .
P. O. Jones, *U.S. Chem. J.*, 1936, 11, 11-12).—
N.S. of KI in 20 ml. of H_2O are added to 0.6 g. of
 HgCl_2 in 100 ml. of H_2O ; the washed ppt. is dissolved
in 20 ml. of 41-5% KI, and the solution is added to a
solution of 5 g. of CaCl_2 in 60 ml. of 50% HCl . The
ppt. of Ca_2HgI_4 is washed with 50% HCl and H_2O ,
and dried at 100°. R. T.

ASB-11A METALLURGICAL LITERATURE CLASSIFICATION